

WHAT IS CLAIMED IS:

1. An electromagnetic (EM) shielding assembly for shielding an electronic component mounted on a circuit board, the assembly comprising:
 - 5 - an electrically conductive shielding portion mountable adjacent the electronic component at least partially to surround the electronic component; and
 - at least one resiliently biased electrically conductive connection member in electrical communication with the shielding portion and operable
10 electrically to connect the shielding portion to a predetermined voltage by bearing down upon an electrically conductive contact of the circuit board.
2. The EM shielding assembly of Claim 1, wherein a surface of the shielding portion defines a cavity for receiving one of the at least one connection members.
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3. The EM shielding assembly of Claim 2, comprising a plurality of said connection members and wherein the surface of the shielding portion defines a plurality of cavities each for receiving a respective one of the connection members.
- 20 4. The EM shielding assembly of Claim 3, the shielding portion having a first plurality of cooling members extending away therefrom, each cooling member accommodating a respective one of said cavities.
5. The EM shielding assembly of Claim 4, the shielding portion having a second
25 plurality of cooling members extending away therefrom.
6. The EM shielding assembly of Claim 5, wherein the first plurality of cooling members are arranged around a periphery of the electronic component.
- 30 7. The EM shielding assembly of Claim 2, comprising a retainer for preventing removal of the at least one connecting member from the cavity.

8. The EM shielding assembly of Claim 1, wherein the shielding portion is mounted on the electronic component.
- 5 9. The EM shielding assembly of Claim 1, comprising a mounting strut for mounting the shielding portion on the circuit board.
10. The EM shielding assembly of Claim 1 comprising a plurality of said connection members arranged to extend along a peripheral edge of said electronic component to form a shielding cage around said component.
- 10 11. The EM shielding assembly of Claim 10 further comprising one or more support members, each support member being attached to at least two connection members to provide support therefor.
- 15 12. The EM shielding assembly of Claim 11, wherein the one or more support members are electrically conductive.
13. The EM shielding assembly of Claim 1, wherein at least one of the electrically conductive shielding portion and said at least one electrically conductive connection member are metal.
- 20 14. Apparatus comprising a circuit board having an electrically conductive contact for providing a connection to a predetermined voltage, an electronic component mounted on the circuit board, and an electromagnetic (EM) shielding assembly, the EM shielding assembly comprising:
- 25 - an electrically conductive shielding portion mounted adjacent the electronic component and at least partially surrounding the electronic component; and
- 30 - at least one resiliently biased electrically conductive connection member in electrical communication with the shielding portion and electrically

connecting the shielding portion to the predetermined voltage by bearing down upon the electrically conductive contact.

15. The apparatus of Claim 14, wherein the electrical contact comprises an
5 electrically conductive surface layer.
16. The apparatus of Claim 14, further comprising an opening in the circuit board in
which said connection member is received, an interior surface of the opening
being coated with an electrically conductive layer forming said electrically
10 conductive contact.
17. The apparatus of Claim 14, comprising a plurality of said connection members,
each connection member bearing down upon the electrically conductive contact.
- 15 18. The apparatus of Claim 14, the circuit board having a plurality of said electrically
conductive contacts, the EM shielding assembly comprising a plurality of said
connection members, each connection member bearing down upon a respective
one of the electrically conductive contacts.
- 20 19. Electromagnetic (EM) shielding means for shielding an electronic component
mounted on a circuit board, the EM shielding means comprising:
- electrically conductive shielding means mountable adjacent the electronic
component at least partially to surround the electronic component; and
 - resiliently biased electrically conductive connection means in electrical
25 communication with the shielding means and operable electrically to
connect the shielding means to a predetermined voltage by bearing down
upon an electrically conductive contact of the circuit board.
20. Apparatus comprising a circuit board having electrically conductive contact
30 means for providing a connection to a predetermined voltage, an electronic

component mounted on the circuit board, and electromagnetic (EM) shielding means, the EM shielding means comprising:

- electrically conductive shielding means mounted adjacent the electronic component and at least partially surrounding the electronic component;
5 and
- resiliently biased electrically conductive connection means in electrical communication with the electrically conductive shielding means and electrically connecting the electrically conductive shielding means to the predetermined voltage by bearing down upon the electrically conductive
10 contact means.

21. A method for providing electromagnetic (EM) shielding for an electronic component mounted on a circuit board, the circuit board comprising an electrically conductive contact for providing a connection to a predetermined
15 voltage, the method comprising:

- providing an EM shielding assembly comprising an electrically conductive shielding portion and at least one resiliently biased electrically conductive connection member in electrical communication with the shielding portion; and
- 20 - mounting the shielding portion adjacent the electronic component such that:
 - the shielding portion at least partially surrounds the component;
and
 - the connection member electrically connects the shielding portion
25 to the predetermined voltage by bearing down upon the electrically conductive contact.